



P21788.A04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lei WANG

Group Art Unit : 2131

Appl. No. : 10/020,293

Examiner : Not Yet Assigned

Filed : December 18, 2001

For : METHOD FOR LIGHTING- AND VIEW-ANGLE-INVARIANT
FACE DESCRIPTION WITH FIRST- AND SECOND-ORDER
EIGENFEATURES

8
TL
4-21-04

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED

APR 15 2004

Technology Center 2100

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and supplemental to the Information Disclosure Statements that were filed on January 30, 2004 and March 18, 2002, Applicant submits herewith a copy of a European Search Report that was mailed on April 1, 2004, with regard to counterpart European Patent Application No. 01 12 9672 in which the European Examiner cited the following documents:

L. WANG et al., "Experimental Results of Face Description based on the 2nd order Eigenface Method," ISO/IEC JTC1/SC29/WG11 MPEG2000/M6001, May 2000, pp. 1-35;

L. WANG et al., "New Proposal for Face Feature Description," ISO/IEC JTC1/SC29/WG11 MPEG2000/M5750, March 2000, pp. 1-6;

"CD 15938-3 MPEG-7 Multimedia Content Description Interface-Part 3 Visual," ISO/IEC JTC1/SC29/WG11/W3703, October 2000, pp. 1-183;

T. SHAKUNAGA et al., "Decomposed Eigenface for Face Recognition Under Various Lighting Conditions," Proceedings 2001 IEEE Conference on Computer Vision and Pattern Recognition, 2001, pp. 864-871;

H.-C. KIM et al., "Proposal for Face Description Using 2nd-order PCA Mixture Model," ISO/IEC JTC1/SC29/WG11 MPEG2001/M7286, July 2001, pp. 1-8;

T. KAMEI et al., "Extension of the Face Recognition Descriptor Using a Confidence Factor," ISO/IEC JTC1/SC29/WG11 MPEG2001/M7689, December 2001, pp. 1-9;

H.-C. KIM et al., "Face Retrieval Using 1st- and 2nd-order PCA Mixture Model," Proceedings 2002 International Conference on Image Processing, 2002, pp. 605-608; and

M.-S. KIM et al., "Face Recognition Using the Embedded HMM with Second-order Block-specific Observations," Pattern Recognition, Vol. 36, 2003, pp. 2723-2735.

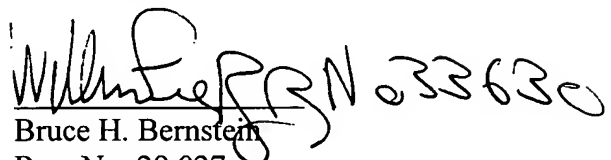
The category of relevance, pertinent portions, and claims to which each document is relevant, as ascertained by the European Examiner applying European rules to the European claims are set forth in the European Search Report.

Applicant respectfully requests that the Examiner consider the above material and cite the same. Copies of the above-noted documents are attached and have been listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the Form to the Applicant with the next official communication in the present application to confirm consideration of these documents.

Applicant notes that an Office Action on the merits has not issued in the instant application, and thus no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Lei WANG


Bruce H. Bernstein
Reg. No. 29,027

April 12, 2004
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191
(703) 716-1191

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P21788		Serial No. 10/020,293		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Lei WANG				
				Filing Date December 18, 2001		Group 2131		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
							RECEIVED	
							APR 15 2004	
							Technology Center 2100	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		1	L. WANG et al., "Experimental Results of Face Description based on the 2 nd order Eigenface Method," ISO/IEC JTC1/SC29/WG11 MPEG2000/M6001, May 2000, pp. 1-35.					
		2	L. WANG et al., "New Proposal for Face Feature Description," ISO/IEC JTC1/SC29/WG11 MPEG2000/M5750, March 2000, pp. 1-6.					
		3	CD 15938-3 MPEG-7 Multimedia Content Description Interface-Part 3 Visual," ISO/IEC JTC1/SC29/WG11/W3703, October 2000, pp. 1-183.					
		4	T. SHAKUNAGA et al., "Decomposed Eigenface for Face Recognition Under Various Lighting Conditions," Proceedings 2001 IEEE Conference on Computer Vision and Pattern Recognition, 2001, pp. 864-871.					
		5	H.-C. KIM et al., "Proposal for Face Description Using 2 nd -order PCA Mixture Model," ISO/IEC JTC1/SC29/WG11 MPEG2001/M7286, July 2001, pp. 1-8.					
		6	T. KAMEI et al., "Extension of the Face Recognition Descriptor Using a Confidence Factor," ISO/IEC JTC1/SC29/WG11 MPEG2001/M7689, December 2001, pp. 1-9.					
		7	H.-C. KIM et al., "Face Retrieval Using 1 st - and 2 nd -order PCA Mixture Model," Proceedings 2002 International Conference on Image Processing, 2002, pp. 605-608.					
		9	M.-S. KIM et al., "Face Recognition Using the Embedded HMM with Second-order Block-specific Observations," Pattern Recognition, Vol. 36, 2003, pp. 2723-2735.					
EXAMINER				DATE CONSIDERED				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								